

# Recombinant Zebrafish COPS2 Protein (1-443 aa), His-tagged

Cat. No. COPS2-2296Z Lot. No. (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Zebrafish ( <i>Danio rerio</i> ) ( <i>Brachydanio rerio</i> ) COPS2 Protein (1-443 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.  |
| <b>Species</b>          | Zebrafish  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 1-443 aa   |
| <b>Description</b>      | Essential component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of E3 ligase complexes, leading to modify the Ubl ligase activity.                               |
| <b>Form</b>             | Tris-based buffer,50% glycerol   |
| <b>Molecular Mass</b>   | 57.1 kDa   |
| <b>AA Sequence</b>      | MSDMEDDFMCDDEEDYDLEYSEDSNSEPNVDLENQYYNSKALKEDDPKAALSSFQ<br>KVLELEGEKGEWGFKALKQMIKINFKLTNFPMMNRYKQLLYIRSAVTRNYSEKSIN<br>SILDYISTSKQMDLLQEFYETTLEALKDAKNDRLWFKTNTKLGKLYLEREEFGKLQKIL<br>RQLHQSCQTDDGEDDLKKGTLLEIYALEIQMYTAQKNNKCLKALYEQSLHIKSAIPH<br>PLIMGVIRECGGKMHLEGEFEKAHTDFFEAFKNYDESGSPRRTTCLKYLVLANML<br>MKSGINPFDSQEAKPYKNDPEILAMTNLVSAYQNNNDITEFEKILKTNHSNIMDDPFIRE |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

HIEELLRNIRTQVLIKLIKPYTRIHIPFISKELNIDVADVESLLVQCILDNTINGRIDQVNQL  
LELDHQKRGGARYTALDKWTNQLNSLNQAIVSKLA

**Purity** > 85% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** [cops2 COP9 signalosome subunit 2 \[ Danio rerio \(zebrafish\) \]](#)

**Official Symbol** [COPS2](#)

**Synonyms** [cops2](#); [zgc:86624](#); [wu:fc05f05](#); [wu:fc06g10](#); [wu:fc60f04](#); [wu:fl94f12](#);

**Gene ID** [415145](#)

**mRNA Refseq** [NM\\_001002055](#)

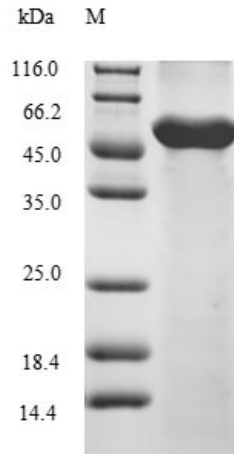
**Protein Refseq** [NP\\_001002055](#)

**UniProt ID** [Q6IQT4](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA